

Title (en)

QUICK CONNECTOR WITH MODULAR FLOW CONTROL INSERT

Title (de)

SCHNELLVERBINDER MIT MODULAREM DURCHFLUSSREGELUNGSEINSATZ

Title (fr)

CONNECTEUR RAPIDE AVEC INSERT DE COMMANDE D'ÉCOULEMENT MODULAIRE

Publication

EP 4033138 A1 20220727 (EN)

Application

EP 21215956 A 20211220

Priority

- US 202117537938 A 20211130
- US 202163141929 P 20210126

Abstract (en)

A connector and process for a quick connector (10) is disclosed that includes a receptacle (12) having first (18) and second (35) interior passages and a chamber (25) in fluid communication between the first and second passages. A flow control insert (50) is installed in the chamber to regulate fluid flow between the first and the second passage.

IPC 8 full level

F16L 37/084 (2006.01); **F16K 15/02** (2006.01); **F16K 15/04** (2006.01); **F16L 29/00** (2006.01); **F16L 37/14** (2006.01); **F16L 37/38** (2006.01)

CPC (source: CN EP US)

F16K 15/04 (2013.01 - EP); **F16L 29/00** (2013.01 - EP); **F16L 37/0841** (2013.01 - EP); **F16L 37/1225** (2013.01 - US); **F16L 37/144** (2013.01 - EP); **F16L 37/28** (2013.01 - CN); **F16L 37/38** (2013.01 - CN EP US); **F16L 43/00** (2013.01 - CN); **F16L 43/008** (2013.01 - US); **F16K 27/0209** (2013.01 - EP); **F16K 2200/502** (2021.08 - EP)

Citation (search report)

- [X] EP 1348090 A2 20031001 - ITT MFG ENTERPRISES INC [US]
- [XP] WO 2021191822 A1 20210930 - A RAYMOND ET CIE [FR]
- [XA] US 2009167018 A1 20090702 - LIEN CHIEN-PING [TW]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 4033138 A1 20220727; CN 114791061 A 20220726; US 11796102 B2 20231024; US 2022235890 A1 20220728

DOCDB simple family (application)

EP 21215956 A 20211220; CN 202111663896 A 20211231; US 202117537938 A 20211130